

Name: _____

Date: _____

PCW__09__22 Coordinate transformations v9

Question 1

Consider the two functions f and g , where g is defined as a transformation of f :

$$g[x] = \frac{f[5(x-9)]}{4} - 2$$

For point (a, b) on curve f there is a corresponding point on the curve g . Write the coordinate transformation.

Question 2

Consider the two functions f and g , where g is defined as a transformation of f :

$$g[x] = 2 \cdot \left(f \left[\frac{x+8}{7} \right] - 6 \right)$$

For point (a, b) on curve f there is a corresponding point on the curve g . Write the coordinate transformation.

Question 3

Consider the two functions f and g , where g is defined as a transformation of f :

$$g[x] = \frac{f\left[\frac{x}{7} + 8\right]}{3} + 5$$

For point (a, b) on curve f there is a corresponding point on the curve g . Write the coordinate transformation.

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Question 4

Consider the two functions f and g , where g is defined as a transformation of f :

$$g[x] = 3 \cdot f\left[\frac{x}{7} - 4\right] - 9$$

For point (a, b) on curve f there is a corresponding point on the curve g . Write the coordinate transformation.

Question 5

Consider the two functions f and g , where g is defined as a transformation of f :

$$g[x] = 9 \cdot (f[7x - 6] + 2)$$

For point (a, b) on curve f there is a corresponding point on the curve g . Write the coordinate transformation.

Question 6

Consider the two functions f and g , where g is defined as a transformation of f :

$$g[x] = 7 \cdot f\left[\frac{x - 4}{2}\right] + 8$$

For point (a, b) on curve f there is a corresponding point on the curve g . Write the coordinate transformation.